

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/872,349A  
Source: IFW16  
Date Processed by STIC: 05/08/2006

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 05/08/2006

PATENT APPLICATION: US/09/872,349A

TIME: 09:48:48

Input Set : A:\PBLI-P01-007.txt

Output Set: N:\CRF4\05012006\I872349A.raw

3 <110> APPLICANT: Pestka, Sidney  
 5 <120> TITLE OF INVENTION: PHOSPHORYLATED POLYPEPTIDES AND USES RELATED THERETO  
 7 <130> FILE REFERENCE: PBLI-P01-007  
 9 <140> CURRENT APPLICATION NUMBER: US 09/872,349A  
 10 <141> CURRENT FILING DATE: 2001-05-31  
 12 <150> PRIOR APPLICATION NUMBER: 60/208,240  
 13 <151> PRIOR FILING DATE: 2000-05-31  
 15 <150> PRIOR APPLICATION NUMBER: 60/255,296  
 16 <151> PRIOR FILING DATE: 2000-12-13  
 18 <160> NUMBER OF SEQ ID NOS: 80  
 20 <170> SOFTWARE: PatentIn Ver. 2.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 4  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: phosphorylated peptide  
 30 <400> SEQUENCE: 1  
 31 Arg Arg Ala Ser  
 32 1  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 5  
 37 <212> TYPE: PRT  
 38 <213> ORGANISM: Artificial Sequence  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: phosphorylated peptide  
 44 <400> SEQUENCE: 2  
 45 Arg Arg Ala Ser Val  
 46 1 5  
 49 <210> SEQ ID NO: 3  
 50 <211> LENGTH: 8  
 51 <212> TYPE: PRT  
 52 <213> ORGANISM: Artificial Sequence  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: phosphorylated peptide  
 58 <400> SEQUENCE: 3  
 59 Arg Thr Lys Arg Ser Gly Ser Val  
 60 1 5  
 63 <210> SEQ ID NO: 4  
 64 <211> LENGTH: 7  
 65 <212> TYPE: PRT  
 66 <213> ORGANISM: Artificial Sequence  
 68 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 05/08/2006

PATENT APPLICATION: US/09/872,349A

TIME: 09:48:48

Input Set : A:\PBLI-P01-007.txt

Output Set: N:\CRF4\05012006\I872349A.raw

69 &lt;223&gt; OTHER INFORMATION: phosphorylated peptide

72 &lt;400&gt; SEQUENCE: 4

73 Arg Lys Arg Ser Arg Lys Glu

74 1 5

77 &lt;210&gt; SEQ ID NO: 5

78 &lt;211&gt; LENGTH: 7

79 &lt;212&gt; TYPE: PRT

80 &lt;213&gt; ORGANISM: Artificial Sequence

82 &lt;220&gt; FEATURE:

83 &lt;223&gt; OTHER INFORMATION: phosphorylated peptide

86 &lt;400&gt; SEQUENCE: 5

87 Leu Arg Arg Ala His Leu Gly

88 1 5

91 &lt;210&gt; SEQ ID NO: 6

92 &lt;211&gt; LENGTH: 6

93 &lt;212&gt; TYPE: PRT

94 &lt;213&gt; ORGANISM: Artificial Sequence

96 &lt;220&gt; FEATURE:

97 &lt;223&gt; OTHER INFORMATION: phosphorylated peptide

100 &lt;400&gt; SEQUENCE: 6

101 Ser Glu Glu Glu Glu Glu

102 1 5

105 &lt;210&gt; SEQ ID NO: 7

106 &lt;211&gt; LENGTH: 10

107 &lt;212&gt; TYPE: PRT

108 &lt;213&gt; ORGANISM: Artificial Sequence

110 &lt;220&gt; FEATURE:

111 &lt;223&gt; OTHER INFORMATION: phosphorylated peptide

114 &lt;400&gt; SEQUENCE: 7

115 Arg Arg Arg Glu Glu Glu Thr Glu Glu Glu

116 1 5 10

119 &lt;210&gt; SEQ ID NO: 8

120 &lt;211&gt; LENGTH: 10

121 &lt;212&gt; TYPE: PRT

122 &lt;213&gt; ORGANISM: Artificial Sequence

124 &lt;220&gt; FEATURE:

125 &lt;223&gt; OTHER INFORMATION: phosphorylated peptide

128 &lt;400&gt; SEQUENCE: 8

129 Arg Arg Arg Glu Glu Glu Ser Glu Glu Glu

130 1 5 10

133 &lt;210&gt; SEQ ID NO: 9

134 &lt;211&gt; LENGTH: 10

135 &lt;212&gt; TYPE: PRT

136 &lt;213&gt; ORGANISM: Artificial Sequence

138 &lt;220&gt; FEATURE:

139 &lt;223&gt; OTHER INFORMATION: phosphorylated peptide

142 &lt;400&gt; SEQUENCE: 9

143 Arg Arg Arg Asp Asp Asp Ser Asp Asp Asp

144 1 5 10

## RAW SEQUENCE LISTING

DATE: 05/08/2006

PATENT APPLICATION: US/09/872,349A

TIME: 09:48:48

Input Set : A:\PBLI-P01-007.txt

Output Set: N:\CRF4\05012006\I872349A.raw

```

147 <210> SEQ ID NO: 10
148 <211> LENGTH: 10
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <221> NAME/KEY: SITE
154 <222> LOCATION: (7)
155 <223> OTHER INFORMATION: Xaa=Ser or Thr
157 <220> FEATURE:
158 <223> OTHER INFORMATION: phosphorylated peptide
161 <400> SEQUENCE: 10
W--> 162 Ala Ala Ala Ala Ala Ala Xaa Glu Glu Glu
163      1              5              10
166 <210> SEQ ID NO: 11
167 <211> LENGTH: 10
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <221> NAME/KEY: SITE
173 <222> LOCATION: (7)
174 <223> OTHER INFORMATION: Xaa=Ser or Thr
176 <220> FEATURE:
177 <223> OTHER INFORMATION: phosphorylated peptide
180 <400> SEQUENCE: 11
W--> 181 Ala Ala Ala Glu Glu Glu Xaa Glu Glu Glu
182      1              5              10
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 8
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: phosphorylated peptide
194 <400> SEQUENCE: 12
195 Arg Arg Leu Ser Ser Leu Arg Ala
196      1              5
199 <210> SEQ ID NO: 13
200 <211> LENGTH: 9
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: phosphorylated peptide
208 <400> SEQUENCE: 13
209 Thr Glu Thr Ser Gln Val Ala Pro Ala
210      1              5
213 <210> SEQ ID NO: 14
214 <211> LENGTH: 25
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:

```

## RAW SEQUENCE LISTING

DATE: 05/08/2006

PATENT APPLICATION: US/09/872,349A

TIME: 09:48:48

Input Set : A:\PBLI-P01-007.txt

Output Set: N:\CRF4\05012006\I872349A.raw

```

219 <223> OTHER INFORMATION: primer
221 <400> SEQUENCE: 14
222 gtgaccgctg taccaacctc tgtcc 25
225 <210> SEQ ID NO: 15
226 <211> LENGTH: 33
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: primer
233 <400> SEQUENCE: 15
234 ccctcgagtc acttgccccgg ggacagggag agg 33
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 27
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: oligodeoxynucleotide
245 <400> SEQUENCE: 16
246 gcagcctcca ccaggcgccc atcggtc 27
249 <210> SEQ ID NO: 17
250 <211> LENGTH: 30
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: oligodeoxynucleotide
257 <400> SEQUENCE: 17
258 gggcatgtgt gacgtctgtc acaagatttg 30
261 <210> SEQ ID NO: 18
262 <211> LENGTH: 31
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: oligodeoxynucleotide
269 <400> SEQUENCE: 18
270 cctggggcctt cgcgaaggat ttcctgcaag g 31
273 <210> SEQ ID NO: 19
274 <211> LENGTH: 30
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: oligodeoxynucleotide
281 <400> SEQUENCE: 19
282 gtgtcagttg gccggagggt tactttgagc 30
285 <210> SEQ ID NO: 20
286 <211> LENGTH: 34
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: oligodeoxynucleotide

```

## RAW SEQUENCE LISTING

DATE: 05/08/2006

PATENT APPLICATION: US/09/872,349A

TIME: 09:48:48

Input Set : A:\PBLI-P01-007.txt

Output Set: N:\CRF4\05012006\I872349A.raw

```

293 <400> SEQUENCE: 20
294 cggtgggcat gagtgacgtc tgtcacaaga ttg      34
297 <210> SEQ ID NO: 21
298 <211> LENGTH: 34
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: oligodeoxynucleotide
305 <400> SEQUENCE: 21
306 cggtgggcat gagtgacgtc tgtcacaaga ttg      34
309 <210> SEQ ID NO: 22
310 <211> LENGTH: 32
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: primer
317 <400> SEQUENCE: 22
318 cccctcgagc caccatggag tggtcctggg tc      32
321 <210> SEQ ID NO: 23
322 <211> LENGTH: 33
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: primer
329 <400> SEQUENCE: 23
330 cccaagcttt ttggcgctgg agacggtgac cag      33
333 <210> SEQ ID NO: 24
334 <211> LENGTH: 31
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: primer
341 <400> SEQUENCE: 24
342 cctctagacc accatggata gccaggccca g      31
345 <210> SEQ ID NO: 25
346 <211> LENGTH: 32
347 <212> TYPE: DNA
348 <213> ORGANISM: Artificial Sequence
350 <220> FEATURE:
351 <223> OTHER INFORMATION: primer
353 <400> SEQUENCE: 25
354 gccgcggccc gtggatcctt cagttccagc tt      32
357 <210> SEQ ID NO: 26
358 <211> LENGTH: 25
359 <212> TYPE: DNA
360 <213> ORGANISM: Artificial Sequence
362 <220> FEATURE:
363 <223> OTHER INFORMATION: primer
365 <400> SEQUENCE: 26

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/872,349A

DATE: 05/08/2006  
TIME: 09:48:49

Input Set : A:\PBLI-P01-007.txt  
Output Set: N:\CRF4\05012006\I872349A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; Xaa Pos. 7

Seq#:11; Xaa Pos. 7

VERIFICATION SUMMARY

DATE: 05/08/2006

PATENT APPLICATION: US/09/872,349A

TIME: 09:48:49

Input Set : A:\PBLI-P01-007.txt

Output Set: N:\CRF4\05012006\I872349A.raw

L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0

L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0